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(37 CFR §1.98(b))

Attorney's Docket No.	Application No.
17106-024001 (24745-1613)	10/099,700 Conf. No. 4309
Applicant: Edwin L. Madison, et al.	
Filing Date: March 13, 2002	Group Art Unit: 1652 Customer No: 20985

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WM	A	60/257,495		Zerhusen et al.	435	6	12/21/00
WM	B	2003-0175938	9/18/03	Shi *et al.*	435	193	
WM	C	2003-0232349	12/18/02	Delegeane *et al.*	435	226	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
WM	D	WO 03/104391	12/18/03	PCT	—	→		
WM	E	WO 04/005471	1/15/04	PCT	—	—		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
WM	F	Bork, P., "Powers and Pitfalls in Sequence Analysis: the 70% Hurdle," *Genome Research* 10: 398-400 (2000)
	G	Broun *et al.*, "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," *Science* 282:1315-1317 (1998)
	H	Bryan, Philip N., "Protein engineering of subtilisin," *Biochimica et Biophysica Acta* 1543:203-222 (2000)
	I	Lu *et al.*, "Crystal Structure of Enteropeptide Light Chain Complexed with an Analog of the Trypsinogen Activation Peptide," *J. Mol. Biol.*, 292:361-373 (1999)
	J	Ngo *et al.* "Computational Complexity, Protein Structure Prediction, and the Levinthan Paradox," Chapter 14 in *The Protein folding problem and tertiary structure prediction* Kenneth M. Merz, Jr. and Scott M. Le Grand (Eds.) Boston: Birkhäuser pp. 433-506 (1994)
	K	Nienaber *et al.*, "Re-engineering of Human Urokinase Provides a System for Structure-based Drug Design at High Resolution and Reveals a Novel Structural Subsite," *The Journal of Biological Chemistry*, 275 (10):7239-7248 (2000)
	L	Sommerhoff, *et al.*, "The structure of the human βII-tryptase tetramer: fo(u)r better or worse," *Proc Natl Acad Sci U.S.A.*, 96:10984-10991 (1999)
	M	Van de Loo *et al.* "An oleate 12-hydroxylase from Ricinus communis L. is a fatty acyl desaturase homolog," *Proc. Natl. Acad. Sci. USA* 92:6743-6747 (1995)
	N	Venekei *et al.*, "Attempts to convert chymotrypsin to trypsin," *FEBS Letters* 379, 143-147 (1996)
↓	O	Wikowski *et al*, "Conversion of a β-Ketoacyl Synthase to a Malonyl Decarboxylase by Replacement of the Active-Site Systeine with Glutamine," *Biochemistry* 38:11643-11650 (1999)
WM	P	Xu *et al.*, "Mutational Analysis of the Primary Substrate Specificity Pocket of Complement Factor B," *THE JOURNAL OF BIOLOGICAL CHEMISTRY*, 275 (1):378-385 (2000)

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Examiner Signature	Date Considered
William M. Moore	2 September 2004

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON

FORM PTO-1449	ATTY. DOCKET NO. 24745-1613	SERIAL NO. 10/099,700	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Madison *et al.*	CUST. NO. 24961	CONF. NO. 4309
	FILING DATE March 13, 2002	GROUP NO. 1652	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
WWM	A	0 0 0 1 8 0 1	01/01/04	Madison *et al.*	424	85.1	05/23/02
	B	0 0 5 0 2 5 1	03/13/03	Semple *et al.*	514	19	03/05/02
	C	0 0 7 7 6 9 7	04/24/03	Gerlack *et al.*	435	69.1	07/03/01
	D	0 1 1 9 1 6 8	06/26/03	Madison *et al.*	435	226	02/02/01
	E	0 1 3 4 2 9 8	07/17/03	Madison *et al.*	435	6	07/30/02
	F	0 1 3 4 7 9 4	07/17/03	Madison *et al.*	514	12	11/20/02
	G	0 1 4 3 2 1 9	07/31/03	Madison *et al.*	424	94.67	10/08/02
	H	0 1 6 6 8 5 1	09/04/03	Madison *et al.*	530	350	03/27/02
	I	0 1 8 1 6 5 8	09/25/03	Madison *et al.*	530	350	03/20/02
	J	0 1 8 6 3 2 9	10/02/03	Madison *et al.*	435	7.1	01/21/03
WWM	K	0 2 3 5 9 0 0	12/25/03	Madison *et al.*	435	226	05/14/02

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No
WWM	L	0 3 0 3 1 5 85	04/17/03	PCT	—	—		
WWM	M	0 3 0 4 4 1 79	05/30/03	PCT	—	—		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WWM	N	Bergstrom *et al.*, "Binding of nonphysiological protein and peptide substrates to proteases: differences between urokinase-type plasminogen activator and trypsin and contributions to the evolution of regulated proteolysis", *Biochem.*, 42:5395-402 (2003)

EXAMINER William W. Moore | DATE CONSIDERED 2 September 2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON**